

FILEID**SATSSS83

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(1)	56	DECLARATIONS
(1)	86	CONDITION TABLES
(1)	112	TM SETUP, TM CLEANUP
(1)	175	CONDITION SUBROUTINES - SETUP AND CLEANUP
(1)	245	FORM CONDS
(1)	338	VERIFY
(1)	420	VFY_CLEANUP

0000 1 .TITLE SATSS83,SATS SYSTEM SERVICE TESTS \$SETSWM (SUCC S.C.)
0000 2 .IDENT 'V04-000'
0000 3
0000 4
0000 5 *****
0000 6 *
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0000 24 *
0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 ++
0000 30 FACILITY: SYSTST (SATS SYSTEM SERVICE TESTS)
0000 31
0000 32 ABSTRACT:
0000 33
0000 34 THIS MODULE CONTAINS SUBROUTINES WHICH, WHEN LINKED
0000 35 WITH SUCCOMMON.OBJ, FORM TEST MODULE SATSS83 TO TEST SUCCESSFUL
0000 36 OPERATION OF THE \$SETSWM SYSTEM SERVICE. THE SERVICE IS INVOKED
0000 37 UNDER VARIOUS INPUT CONDITIONS WITH VARYING INPUT PARAMETERS. ONLY
0000 38 SUCCESSFUL STATUS CODES ARE EXPECTED IN THIS TEST MODULE. CORRECT
0000 39 OPERATION OF THE SERVICE FOR EACH OF ITS ISSUANCES IS VERIFIED BY
0000 40 CHECKING FOR AN \$\$\$ NORMAL STATUS CODE, EXPECTED RETURN ARGUMENTS
0000 41 AND EXPECTED FUNCTIONALITY PERFORMED.
0000 42
0000 43 ENVIRONMENT: USER MODE IMAGE; NEEDS CMKRNL PRIVILEGE,
0000 44 DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.
0000 45
0000 46 AUTHOR: THOMAS L. CAFARELLA, CREATION DATE: JUL, 1977
0000 47
0000 48 MODIFIED BY:
0000 49
0000 50 V03-001 KDM0002 Kathleen D. Morse 28-Jun-1982
0000 51 Added \$\$\$DEF.
0000 52
0000 53 01 -
0000 54 ;--

0000 56 .SBTTL DECLARATIONS
0000 57 :
0000 58 : INCLUDE FILES:
0000 59 :
0000 60 : \$PRVDEF : PRIVILEGE BIT DEFINITIONS
0000 61 : \$PHDDEF : PROCESS HEADER OFFSETS
0000 62 : \$SSDEF : SYSTEM STATUS CODES
0000 63 :
0000 64 : MACROS:
0000 65 :
0000 66 :
0000 67 : EQUATED SYMBOLS:
0000 68 :
0000 69 :
0000 70 : OWN STORAGE:
0000 71 :
0000

```
00000000 73 .PSECT RODATA,RD,NOWRT,NOEXE,LONG
0000 74 TEST_MOD_NAME:: STRING C,<SATSSS83> ; TEST MODULE NAME
0009 75 TEST_MOD_NAME_D: STRING I,<SATSSS83> ; TEST MODULE NAME DESCRIPTOR
0019 76 MSG1_INP_CTL: STRING I,< SSSSM!4ZW: CONDITIONS:>
0039 77 ; FAO CTL STRING FOR MSG1 IN SUCCOMMON.MAR
0039 78 MSG3_ERR_CTL:: STRING I,< *SSSSM!4ZW: !AS>
0051 79 ; FAO CTL STRING FOR MSG3 IN SUCCOMMON.MAR
```

F 11
SATS SYSTEM SERVICE TESTS \$SETSWM (SUCC 16-SEP-1984 01:06:07 VAX/VMS Macro V04-00
DECLARATIONS 5-SEP-1984 04:34:00 [UETPSY.SRC]SATSSS83.MAR;1 Page 4 (1)

00000000	81	.PSECT	RWDATA, RD, WRT, NOEXE, LONG	
00000008	0000	82	PRIVMASK:	:BLKQ 1 ; ADDR OF PRIVILEGE MASK (IN PHD)
09 01	0008	83	STATCODES:	:BYTE SSS_WASCLR, - ; EXPECTED
000A	84			SSS_WASSET ; ... STATUS CODES

000A 86 .SBTTL CONDITION TABLES
000A 87 :
000A 88 : ***** CONDITION TABLES FOR SETSWM SYSTEM SERVICE *****
000A 89 :
000A 90 COND 1, LONG, <SWPFLG>,-
000A 91 <SWAPPING DISABLED>,-
000A 92 <SWAPPING ENABLED>,-
000A 93
00000000 003D 94 .LONG 0 : DISABLED
00000001 0041 95 .LONG 1 : ENABLED
0045 96 :
0045 97 COND 2, NOTARG, <PREVIOUS SWAP MODE>,-
0045 98 <SWAPPING PREVIOUSLY DISABLED>,-
0045 99 <SWAPPING PREVIOUSLY ENABLED>,-
0045 100
00000000 009A 101 .LONG 0 : DISABLED
00000001 009E 102 .LONG 1 : ENABLED
00A2 103 :
00A2 104 COND 3, NULL
00A3 105
00A3 106 COND 4, NULL
00A4 107
00A4 108 COND 5, NULL
00A5 109
00000000 110 .PSECT SATSSS83.RD,WRT,EXE

0000 112 .SBTTL TM_SETUP, TM_CLEANUP
 0000 113 ++
 0000 114 FUNCTIONAL DESCRIPTION:
 0000 115
 0000 116 TM SETUP AND TM_CLEANUP ARE CALLED TO PERFORM
 0000 117 REQUIRED HOUSEKEEPING AT THE BEGINNING AND END, RESPECTIVELY, OF
 0000 118 TEST MODULE EXECUTION.
 0000 119
 0000 120 CALLING SEQUENCE:
 0000 121
 0000 122 BSBW TM_SETUP BSBW TM_CLEANUP
 0000 123
 0000 124 INPUT PARAMETERS:
 0000 125
 0000 126 NONE
 0000 127
 0000 128 IMPLICIT INPUTS:
 0000 129
 0000 130 NONE
 0000 131
 0000 132 OUTPUT PARAMETERS:
 0000 133
 0000 134 NONE
 0000 135
 0000 136 IMPLICIT OUTPUTS:
 0000 137
 0000 138 TM_SETUP: COND TABLE INDEX REGISTERS (R2,3,4,5,6) CLEARED;
 0000 139 ALL PRIVILEGES ACQUIRED.
 0000 140
 0000 141 COMPLETION CODES:
 0000 142
 0000 143 EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
 0000 144
 0000 145 SIDE EFFECTS:
 0000 146
 0000 147 SS_CHECK AND ERR_EXIT MACROS CAUSE PREMATURE EXIT
 0000 148 (VIA RSB) IF ERROR ENCOUNTERED.
 0000 149
 0000 150 ;--
 0000 151
 0000 152
 0000 153
 0000 154 TM_SETUP::
 52 D4 0000 155 CLRL R2 : INITIALIZE
 53 D4 0002 156 CLRL R3 : .. CONDITION
 54 D4 0004 157 CLRL R4 : TABLE
 55 D4 0006 158 CLRL R5 : INDEX
 56 D4 0008 159 CLRL R6 : PRINT TEST MODULE BEGIN MSG
 FFF3' 30 000A 160 BSBW MOD MSG PRINT : PRINT TEST MODULE BEGIN MSG
 03 00 00000000'EF DE 000D 161 MOVAL TEST MOD SUCC, TMD ADDR : ASSUME END MSG WILL SHOW SUCCESS
 00000000'8F F0 0018 162 INSV #SUCCESS,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR SUCCESS
 00000000'EF 0020
 59 00000000'9F D0 0025 163 MODE TO 5\$ KRNL : KERNEL MODE TO ACCESS PHD
 00000000'EF 69 DE 0048 164 MOVL #CTL\$GL PHD,R9 : GET PROCESS HEADER ADDRESS
 0004F 165 MOVAL PHDSQ PRIVMSK(R9),PRIVMASK : GET PRIV MASK ADDRESS
 00056 166 MODE FROM,5\$: BACK TO USER MODE
 00057 167 PRIV ADD,ALL : GET ALL PRIVILEGES

I 11
SATS SYSTEM SERVICE TESTS \$SETSWM (SUCC 16-SEP-1984 01:06:07 VAX/VMS Macro V04-00
TM_SETUP, TM_CLEANUP 5-SEP-1984 04:34:00 [UETPSY.SRC]SATSSS83.MAR;1 Page 7
(1)

0077	168	\$SETPRN S TEST_MOD_NAME_D	: SET PROCESS NAME
0084	169	SS CHECK NORMAL	: CHECK STATUS CODE RETURNED FROM SETPRN
05 00AE	170	RSB	: RETURN TO MAIN ROUTINE
00AF	171	TM_CLEANUP::	
FF4E' 30 00AF	172	BSBW MOD_MSG_PRINT	: PRINT TEST MODULE END MSG
05 00B2	173	RSB	: RETURN TO MAIN ROUTINE

00B3 175 .SBTTL CONDITION SUBROUTINES - SETUP AND CLEANUP
00B3 176 ++
00B3 177 FUNCTIONAL DESCRIPTION:
00B3 178
00B3 179 CONDX AND CONDX CLEANUP ARE SUBROUTINES WHICH ARE EXECUTED
00B3 180 BEFORE AND AFTER THE VERIFY SUBROUTINE, RESPECTIVELY, WHENEVER A NEW
00B3 181 CONDITION X VALUE IS SELECTED (SEE FUNCTIONAL DESCRIPTION OF SUCCOMMON
00B3 182 ROUTINE IN SUCCOMMON.MAR). ANY SETUP FUNCTION PARTICULAR TO THE
00B3 183 CONDITION X TABLE IS INCLUDED IN THE CONDX SUBROUTINE AND CLEANED
00B3 184 UP, IF NECESSARY, IN THE CONDX CLEANUP SUBROUTINE. THIS INCLUDES,
00B3 185 ESPECIALLY, CODE TO DETECT CONFLICTS AMONG CURRENT ENTRIES IN TWO
00B3 186 OR MORE CONDITION TABLES. IF A CONFLICT IS DETECTED, A NON-ZERO
00B3 187 VALUE IS STORED INTO CONFLICT, WHICH CAUSES THE CALLING ROUTINE
00B3 188 (SUCCOMMON) TO SKIP THE CURRENT ENTRY IN THE CONDITION X TABLE.
00B3 189
00B3 190 CALLING SEQUENCE:
00B3 191
00B3 192 BSBW CONDX BSBW CONDX_CLEANUP
00B3 193 WHERE X = 1,2,3,4,5
00B3 194
00B3 195 INPUT PARAMETERS:
00B3 196
00B3 197 CONFLICT = 0
00B3 198
00B3 199 IMPLICIT INPUTS:
00B3 200
00B3 201 R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
00B3 202 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
00B3 203
00B3 204 OUTPUT PARAMETERS:
00B3 205
00B3 206 CONFLICT SET TO NON-ZERO IF COND TABLE CONFLICT DETECTED.
00B3 207
00B3 208 IMPLICIT OUTPUTS:
00B3 209
00B3 210 R2,3,4,5,6 PRESERVED
00B3 211
00B3 212 COMPLETION CODES:
00B3 213
00B3 214 NONE
00B3 215
00B3 216 SIDE EFFECTS:
00B3 217
00B3 218 NONE
00B3 219
00B3 220 :--
00B3 221
00B3 222
00B3 223
00B3 224 COND1:: : RETURN TO MAIN ROUTINE
05 00B3 225 RSB
00B4 226 COND1_CLEANUP:: : RETURN TO MAIN ROUTINE
05 00B4 227 RSB
00B5 228 COND2:: : RETURN TO MAIN ROUTINE
05 00B5 229 RSB
00B6 230 COND2_CLEANUP:: : RETURN TO MAIN ROUTINE
05 00B6 231 RSB

05	00B7	232	COND3::	
		233	RSB	; RETURN TO MAIN ROUTINE
05	00B8	234	COND3_CLEANUP::	
		235	RSB	; RETURN TO MAIN ROUTINE
05	00B9	236	COND4::	
		237	RSB	; RETURN TO MAIN ROUTINE
05	00BA	238	COND4_CLEANUP::	
		239	RSB	; RETURN TO MAIN ROUTINE
05	00BB	240	COND5::	
		241	RSB	; RETURN TO MAIN ROUTINE
05	00BC	242	COND5_CLEANUP::	
		243	RSB	; RETURN TO MAIN ROUTINE

00BD 245 .SBTTL FORM_COND
 00BD 246 ++
 00BD 247 FUNCTIONAL DESCRIPTION:
 00BD 248 FORM_COND FORMATS AND PRINTS INFORMATION ABOUT
 00BD 249 THE CURRENT ELEMENT IN EACH OF THE CONDITION TABLES.
 00BD 250
 00BD 251
 00BD 252 CALLING SEQUENCE:
 00BD 253
 00BD 254 BSBW FORM_COND
 00BD 255
 00BD 256 INPUT PARAMETERS:
 00BD 257
 00BD 258 NONE
 00BD 259
 00BD 260 IMPLICIT INPUTS:
 00BD 261
 00BD 262 R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
 00BD 263 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
 00BD 264 FOR X = 1,2,3,4,5 :
 00BD 265 CONDX_T - TITLE TEXT FOR CONDX TABLE
 00BD 266 CONDX_TAB - ELEMENT TEXT FOR CONDX TABLE
 00BD 267 CONDX_C - CONTEXT OF THE CONDX TABLE
 00BD 268 CONDX_E - DATA ELEMENTS OF THE CONDX TABLE
 00BD 269
 00BD 270 OUTPUT PARAMETERS:
 00BD 271
 00BD 272 NONE
 00BD 273
 00BD 274 IMPLICIT OUTPUTS:
 00BD 275
 00BD 276 NONE
 00BD 277
 00BD 278 COMPLETION CODES:
 00BD 279
 00BD 280 NONE
 00BD 281
 00BD 282 SIDE EFFECTS:
 00BD 283
 00BD 284 NONE
 00BD 285
 00BD 286 --
 00BD 287
 00BD 288
 00BD 289
 00BD 290 FORM_COND:::
 00BD 291 \$FAO_S MSG1_INP_CTL,FAO_LEN,FAO_DESC,TESTNUM : FORMAT CONDITIONS HEADER MSG
 00DC 292
 14 FF21' 30 00DC 293 BSBW OUTPUT_MSG : AND PRINT IT
 04 91 00DF 294 CMPB #COND1_C,#NULL : IS CONDITION 1 NULL ?
 03 12 00E2 295 BNEQU 10\$: NO -- CONTINUE
 00CB 31 00E4 296 BRW FORM_COND\$X : YES -- SUBROUTINE IS FINISHED
 00E7 297 10\$: MOVAL COND1_T,MSG_A : SAVE ADDRESS OF CONDITION 1 TITLE FOR FAO
 00000000'EF 0000000A'EF DE 00E7 298 MOVL COND1_TAB[R2],MSG_B : SAVE ADDR OF COND 1 CURR TEXT ELT FOR FAO
 00000000'EF 00000012'EF42 DO 00F2 299 MOVB #COND1_C,MSG_CTXT_ : SAVE CONDITION 1 CONTEXT FOR FAO
 00000000'EF 04 90 00FE 300 MOV_VAL COND1_C,COND1_E[R2],MSG_DATA1 : GIVE COND 1 DATA VALUE TO FAO
 0105 301

14 FEEC' 30 0111 302	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 1 MSG			
00 91 0114 303	CMPB	#COND2_C,#NULL	: IS CONDITION 2 NULL ?			
03 12 0117 304	BNEQU	20\$: NO -- CONTINUE			
0096 31 0119 305	BRW	FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED			
00000000'EF 00000045'EF DE 011C 306 20\$:						
00000000'EF 00000059'EF43 DO 0127 308				MOVAL	COND2_T,MSG_A	: SAVE ADDRESS OF CONDITION 2 TITLE FOR FAO
00000000'EF 00 90 0133 309				MOVL	COND2_TAB[R3],MSG_B	: SAVE ADDR OF COND 2 Curr TEXT ELT FOR FAO
00000000'EF 00 90 0133 310				MOVB	#COND2_C,MSG_CTXT	: SAVE CONDITION 2 CONTEXT FOR FAO
14 FEC3' 30 013A 311	MOV VAL	COND2_C,COND2_E[R3],MSG_DATA1	: GIVE COND 2 DATA VALUE TO FAO			
14 14 91 013D 312	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 2 MSG			
03 12 0140 313	CMPB	#COND3_C,#NULL	: IS CONDITION 3 NULL ?			
006D 31 0142 314	BNEQU	30\$: NO -- CONTINUE			
00000000'EF 000000A2'EF DE 0145 315 30\$:	BRW	FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED			
00000000'EF 000000A2'EF44 DO 0150 316	MOVAL	COND3_T,MSG_A	: SAVE ADDRESS OF CONDITION 3 TITLE FOR FAO			
00000000'EF 14 90 015C 317	MOVL	COND3_TAB[R4],MSG_B	: SAVE ADDR OF COND 3 Curr TEXT ELT FOR FAO			
00000000'EF 14 90 015C 318	MOVB	#COND3_C,MSG_CTXT	: SAVE CONDITION 3 CONTEXT FOR FAO			
14 FE9A' 30 0163 319	MOV VAL	COND3_C,COND3_E[R4],MSG_DATA1	: GIVE COND 3 DATA VALUE TO FAO			
14 14 91 0166 320	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 3 MSG			
47 13 0169 321	CMPB	#COND4_C,#NULL	: IS CONDITION 4 NULL ?			
00000000'EF 000000A3'EF DE 016B 322	BEQLU	FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED			
00000000'EF 000000A3'EF45 DO 0176 323	MOVAL	COND4_T,MSG_A	: SAVE ADDRESS OF CONDITION 4 TITLE FOR FAO			
00000000'EF 14 90 0182 324	MOVL	COND4_TAB[R5],MSG_B	: SAVE ADDR OF COND 4 Curr TEXT ELT FOR FAO			
00000000'EF 14 90 0182 325	MOVB	#COND4_C,MSG_CTXT	: SAVE CONDITION 4 CONTEXT FOR FAO			
14 FE74' 30 0189 326	MOV VAL	COND4_C,COND4_E[R5],MSG_DATA1	: GIVE COND 4 DATA VALUE TO FAO			
14 14 91 018C 327	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 4 MSG			
21 13 018F 328	CMPB	#COND5_C,#NULL	: IS CONDITION 5 NULL ?			
00000000'EF 000000A4'EF DE 0191 329	BEQLU	FORM_COND\$X	: YES -- SUBROUTINE IS FINISHED			
00000000'EF 000000A4'EF46 DO 019C 330	MOVAL	COND5_T,MSG_A	: SAVE ADDRESS OF CONDITION 5 TITLE FOR FAO			
00000000'EF 14 90 01A8 331	MOVL	COND5_TAB[R6],MSG_B	: SAVE ADDR OF COND 5 Curr TEXT ELT FOR FAO			
00000000'EF 14 90 01A8 332	MOVB	#COND5_C,MSG_CTXT	: SAVE CONDITION 5 CONTEXT FOR FAO			
FE4E' 30 01AF 333	MOV VAL	COND5_C,COND5_E[R6],MSG_DATA1	: GIVE COND 5 DATA VALUE TO FAO			
01B2 334	BSBW	WRITE_MSG2	: FORMAT AND WRITE CONDITION 5 MSG			
05 01B2 335	FORM_COND\$X:					
05 01B2 336	RSB	: RETURN TO CALLER				

01B3 338 .SBTTL VERIFY
01B3 339
01B3 340 ++
01B3 341 FUNCTIONAL DESCRIPTION:
01B3 342
01B3 343 VERIFY IS CALLED ONCE FOR EACH COMBINATION OF CONDITION
01B3 344 TABLE VALUES (AS DETERMINED BY THE INDEX REGISTERS R2,3,4,5,6 FOR
01B3 345 COND TABLES 1,2,3,4,5, RESPECTIVELY). VERIFY ESTABLISHES THE CONDITIONS
01B3 346 SPECIFIED BY THE COND TABLES AND ISSUES THE SUBJECT SYSTEM SERVICE
01B3 347 (\$SETSWM). THEN, THE SUCCESSFUL OPERATION OF THE SERVICE IS VERIFIED
01B3 348 BY EXAMINING THE STATUS CODE RETURNED, THE VALUES FOR RETURN ARGUMENTS
01B3 349 AND THE FUNCTIONALITY PERFORMED. THE EXAMINATIONS TAKE THE FORM OF
01B3 350 COMPARISONS AGAINST EXPECTED VALUES. ANY FAILING COMPARISON CAUSES AN
01B3 351 ERR EXIT MACRO TO BE EXECUTED (EITHER DIRECTLY, OR INDIRECTLY,
01B3 352 THROUGH THE SS CHECK MACRO); ERR_EXIT SETS EFLAG TO NON-ZERO,
01B3 353 PRINTS ERROR MESSAGES AND CAUSES AN IMMEDIATE RSB TO CALLER.
01B3 354 WHEN ERR EXIT IS EXECUTED, FURTHER CALLS TO VERIFY ARE SUPPRESSED,
01B3 355 AND, AFTER EXECUTING CLEANUP SUBROUTINES, THE IMAGE EXITS.
01B3 356
01B3 357 CALLING SEQUENCE:
01B3 358 BSBW VERIFY
01B3 359
01B3 360 INPUT PARAMETERS:
01B3 361
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01B3 394 IMPLICIT INPUTS:
01B3 365 R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
01B3 366 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
01B3 367 FOR X = 1,2,3,4,5 :
01B3 368 CONDX_E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX
01B3 369 TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
01B3 370 ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
01B3 371 FOR CONDX_E.
01B3 372
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01B3 395 :--
01B3 396
01B3 397
01B3 398
01B3 399 VERIFY::
00000000'EF 95 01B3 400 TSTB CFLAG ; SHOULD CONDITIONS BE PRINTED ?
03 13 01B9 401 BEQL 5\$; NO -- CONTINUE
FEFF 30 01BB 402 BSBW FORM_CONDS ; YES -- FMT & PRINT ALL CONDS FOR THIS T.C.
01BE 403 5\$: \$SETSWM_S COND2_E[R3] ; ISSU PRELIM SERV TO ESTAB 'PREV' CONDITION
01CC 404 ;
01CC 405 ; ***** SYSTEM SERVICE CALL WHICH IS THE SUBJECT OF THIS TEST CASE *****
01CC 406 ;
01CC 407 ;
59 00000008'EF43 9A 01DA 408 \$SETSWM_S SWPFLG[R2] ; ISSUE SUBJECT SERVICE
59 50 D1 01E2 409 MOVZBL STATCODES[R3],R9 ; GET EXPECTED STATUS CODE
03 12 01E5 410 CMPL R0,R9 ; CODE RECEIVED = CODE EXPECTED ?
005B 31 01E7 411 BNEQ 10\$; NO -- GO PROCESS ERROR
00000000'EF 59 D0 01EA 412 BRW VERIFYX ; YES -- ALL FINISHED
00000000'EF 50 D0 01F1 413 10\$: MOVL R9,EXPV ; LOAD UP EXPECTED AND
01F8 414 MOVL R0,RECV ; RECEIVED VALUES, THEN EXIT
01F8 415 ERR_EXIT LONG,<INCORRECT STATUS CODE RETURNED BY SETSWM>
0245 416 VERIFYX: RSB ; RETURN TO CALLER
05 0245 418

0246 420 .SBTTL VFY_CLEANUP
0246 421 ++
0246 422 FUNCTIONAL DESCRIPTION:
0246 423
0246 424 VFY CLEANUP EXECUTES SYSTEM SERVICES TO UNDO THE
0246 425 EFFECT OF THOSE ISSUED IN THE VERIFY SUBROUTINE. VFY CLEANUP MUST
0246 426 ASSUME THAT VERIFY MAY NOT HAVE EXECUTED IN ITS ENTIRETY (IF AN
0246 427 ERROR IS FOUND). ALSO, VFY CLEANUP MAY ISSUE SS CHECK OR ERR_EXIT
0246 428 ONLY AFTER PERFORMING ALL OF ITS CLEANUP OPERATIONS; THIS IS REQUIRED
0246 429 IN THE EVENT THAT VFY CLEANUP IS CALLED DURING ERROR PROCESSING,
0246 430 WHEN PERFORMING THE REQUIRED CLEANUP IS MORE IMPORTANT THAN
0246 431 POSSIBLY DISCOVERING A SECOND ERROR.
0246 432
0246 433 CALLING SEQUENCE:
0246 434 BSBW VFY_CLEANUP
0246 435
0246 436 INPUT PARAMETERS:
0246 437
0246 438
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0246 442
0246 443
0246 444 R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
0246 445 FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
0246 446 FOR X = 1,2,3,4,5 :
0246 447 CONDX_E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX
0246 448 TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
0246 449 ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
0246 450 FOR CONDX_E.
0246 451
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0246 471
0246 472 VFY_CLEANUP::
0246 473 \$SETSWM_S #1
0246 474 RSB
0246 475 .END : MAKE SURE SWAPPING IS ENABLED
05 : RETURN TO CALLER

\$\$\$\$	= 00000202	R	04	MOD_MSG_CODE	*****	X	04
\$\$\$CHARS	= 00000028			MOD-MSG-PRINT	*****	X	04
\$\$\$CHARS1	= 0000001C			MSGT_INP_CTL	00000019	R	02
\$\$\$CHARS2	= 0000001B			MSG3-ERR_CTL	00000039	RG	02
\$\$\$CHARS3	= 00000000			MSG_A	*****	X	04
\$\$\$CHARS4	= 00000000			MSG_B	*****	X	04
\$\$\$CHARS5	= 00000000			MSG_CTXT	*****	X	04
\$\$\$COND_A	= 00000001			MSG-DATA1	*****	X	04
\$\$\$STRINGS	= 00000001			NOTARG	= 00000000	G	
\$\$\$STRINGS2	= 00000005			NULL	= 00000014	G	
SST2	= 00000004			OUTPUT_MSG	*****	X	04
BYTE	= 00000001	G		PCV	*****	X	04
CFLAG	*****	X	04	PHD\$Q PRIVMSK	= 00000000		
CHMRTN	*****	X	04	PRIVMASK	00000000	R	03
CHM_CONT	*****	X	04	PRIV_ARGS	= 00000002		
COMP_SC	*****	X	04	PROCESS_ERR	*****	X	04
COND_T	000000B3	RG	04	QUAD	= 00000008	G	
COND1_C	= 00000004			RECV	*****	X	04
COND1_CLEANUP	000000B4	RG	04	REST_REGS	*****	X	04
COND1_E	0000003D	R	03	SAVE_REGS	*****	X	04
COND1_H	00000011	RG	03	SS\$_NORMAL	= 00000001		
COND1_T	0000000A	R	03	SS\$_WASCLR	= 00000001		
COND1_TAB	00000012	R	03	SS\$_WASSET	= 00000009		
COND2_C	000000B5	RG	04	STATCODES	00000008	R	03
COND2_CLEANUP	= 00000000			SUCCESS	*****	X	04
COND2_E	000000B6	RG	04	SWPFLG	0000003D	R	03
COND2_H	0000009A	R	03	SYSS\$CMKRNL	*****	GX	04
COND2_T	00000058	RG	03	SYSS\$FAO	*****	X	04
COND2_TAB	00000045	R	03	SYSS\$SETPRN	*****	GX	04
COND3_C	00000059	R	03	SYSS\$SETPRV	*****	GX	04
COND3_H	000000B7	RG	04	SYSS\$SETSWM	*****	GX	04
COND3_T	= 00000014			TESTNUM	*****	X	04
COND3_CLEANUP	000000B8	RG	04	TEST_MOD_NAME	00000000	RG	02
COND3_H	000000A2	RG	03	TEST_MOD_NAME_D	00000009	R	02
COND3_T	000000A2	R	03	TEST_MOD_SUCC	*****	X	04
COND3_TAB	000000A2	R	03	TMD_ADR	*****	X	04
COND4_C	000000B9	RG	04	TM_CLEANUP	000000AF	RG	04
COND4_CLEANUP	= 00000014			TM_SETUP	00000000	RG	04
COND4_H	000000BA	RG	04	VERIFY	000001B3	RG	04
COND4_T	000000A3	RG	03	VERIFYX	00000245	R	04
COND4_TAB	000000A3	R	03	VFY_CLEANUP	00000246	RG	04
COND5_C	000000A3	R	03	WORD	= 00000002	G	
COND5_H	000000BB	RG	04	WRITE_MSG2	*****	X	04
COND5_T	= 00000014						
COND5_TAB	000000BC	RG	04				
CTL\$GE_PHD	000000A4	RG	03				
DESC	*****	X	04				
EFLAG	= 00000010	G					
EXPV	*****	X	04				
FAO_DESC	*****	X	04				
FAO_LEN	*****	X	04				
FORM_CONDS	000000BD	RG	04				
FORM_CONDSX	000001B2	R	04				
LONG	= 00000004	G					

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE
ABS .	00000000	(0.)	00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT
\$ABSS	00000000	(0.)	01 (1.)	NOPIC	USR	CON	ABS	LCL	NOSHR	EXE	RD	WRT
RODATA	00000051	(81.)	02 (2.)	NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	NOWRT
RWDATA	000000A5	(165.)	03 (3.)	NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	WRT
SATSSS83	00000250	(592.)	04 (4.)	NOPIC	USR	CON	REL	LCL	NOSHR	EXE	RD	WRT

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	35	00:00:00.08	00:00:00.65
Command processing	133	00:00:00.69	00:00:03.39
Pass 1	282	00:00:08.42	00:00:15.16
Symbol table sort	0	00:00:01.08	00:00:01.19
Pass 2	98	00:00:01.81	00:00:04.76
Symbol table output	12	00:00:00.13	00:00:00.36
Psect synopsis output	3	00:00:00.03	00:00:00.04
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	565	00:00:12.24	00:00:25.55

The working set limit was 1500 pages.

44664 bytes (88 pages) of virtual memory were used to buffer the intermediate code.

There were 40 pages of symbol table space allocated to hold 698 non-local and 14 local symbols.

475 source lines were read in Pass 1, producing 20 object records in Pass 2.

33 pages of virtual memory were used to define 24 macros.

! Macro library statistics !

Macro library name	Macros defined
\$255\$DUA28:[SHRLIB]UETP.MLB;1	9
\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	1
\$255\$DUA28:[SYSLIB]STARLET.MLB;2	11
TOTALS (all libraries)	21

1005 GETS were required to define 21 macros.

There were no errors, warnings or information messages.

MACRO/LIS\$:\$SATSSS83/OBJ=\$OBJ\$:\$SATSSS83 MSRC\$:\$SATSSS83/UPDATE=(ENH\$:\$SATSSS83)+EXECMLS\$LIB+SHRLIB\$:\$UETP/LIB

0425 AH-BT13A-SE
VAX/VMS V4.0

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